	Application No.	Applicant(s)	
	09/848,533	PARK, YOUNG-HOON	
Notice of Allowability	Examiner	Art Unit	
	Alexander Markoff	1746	
The MAILING DATE of this communication ap Il claims being allowable, PROSECUTION ON THE MERITS erewith (or previously mailed), a Notice of Allowance (PTOL-8 OTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT f the Office or upon petition by the applicant. See 37 CFR 1.3	IS (OR REMAINS) CLOSED in 35) or other appropriate commul RIGHTS. This application is su	this application. If not included nication will be mailed in due course. THIS	
This communication is responsive to <u>Papers filed on 2/3</u>	<u>//04</u> .		
☐ The allowed claim(s) is/are <u>15-28</u> .			
☑ The drawings filed on <u>05 March 2001</u> are accepted by the	ne Examiner.		
 Acknowledgment is made of a claim for foreign priority a) All b) Some* c) None of the: 1. Certified copies of the priority documents had 2. Certified copies of the priority documents had 3. Copies of the certified copies of the priority 	ave been received. ave been received in Application	n No	
International Bureau (PCT Rule 17.2(a)).			
* Certified copies not received:			
Applicant has THREE MONTHS FROM THE "MAILING DAT noted below. Failure to timely comply will result in ABANDOI THIS THREE-MONTH PERIOD IS NOT EXTENDABLE. 	NMENT of this application. bmitted. Note the attached EXA	MINER'S AMENDMENT or NOTICE OF	
INFORMAL PATENT APPLICATION (PTO-152) which o	gives reason(s) why the oath or	declaration is deficient.	
. CORRECTED DRAWINGS (as "replacement sheets") n		(DTO 040) III I	
(a) ☐ including changes required by the Notice of Draftsp	erson's Patent Drawing Review	(PTO-948) attached	
1) ☐ hereto or 2) ☐ to Paper No./Mail Date (b) ☐ including changes required by the attached Examin	 or's Amondment / Comment or	in the Office action of	
(b) I including changes required by the attached Examini Paper No./Mail Date	er s Amendment / Comment or	The Office action of	
Identifying indicia such as the application number (see 37 CF each sheet. Replacement sheet(s) should be labeled as such	R 1.84(c)) should be written on th in the header according to 37 CF	e drawings in the front (not the back) of R 1.121(d).	
. DEPOSIT OF and/or INFORMATION about the de attached Examiner's comment regarding REQUIREMEN	posit of BIOLOGICAL MATE	RIAL must be submitted. Note the	
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attachment(s)			
. ☑ Notice of References Cited (PTO-892)	5. 🗌 Notice of Inf	formal Patent Application (PTO-152)	
☐ Notice of Draftperson's Patent Drawing Review (PTO-94	Paper No./	ımmary (PTO-413), Mail Date	
Information Disclosure Statements (PTO-1449 or PTO/S Paper No./Mail Date	B/08), /. ∐ Examiner's	Amendment/Comment	
 Examiner's Comment Regarding Requirement for Depose of Biological Material 	it 8. ⊠ Examiner's 9. ☐ Other	Statement of Reasons for Allowance	
	,	Alexander Markoff Primary Examiner Art Unit: 1746	

Application/Control Number: 09/848,533

Art Unit: 1746

REASONS FOR ALLOWANCE

1. The following is an examiner's statement of reasons for allowance: The applicants amended the claims to clarify the method of the invention. The claims as amended meet the requirements of 35 USC 112. The rejection made in the previous Office action is withdrawn.

After consideration of the amended claims, reconsideration of the previously cited prior and consideration of the newly discovered prior art the examiner takes the position that the pending claims are allowable.

The following documents are cited to show the state of the prior art with respect to reaction chambers and the cleaning of the chambers: US patents 4,960,488, 6,183,563, 5,607,218, 5338,363, 6,217,6586,626,185, 5,522,934. US Patent No 6,579,372 issued to the inventor of the instant application is made of the record.

The examiner's position is that none of the cited documents taken alone or in combination with other documents teaches or fairly suggest the claimed method.

US Patent No 5,926,743 is considered to be the closest prior art.

This document teaches a concept of preventing the lower part of the apparatus from over etching during a cleaning process by introducing inert gas during the cleaning process through the lower purging system. However, the document fails to teach or suggest flowing inert gas as it required by the instant claims.

It is further noted that while some of the cited documents teach nozzles similar to the ones used by the method of the invention, none of the documents teaches flowing an inert gas through these nozzles during cleaning. Art Unit: 1746

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Alexander Markoff whose telephone number is 571-272-1304. The examiner can normally be reached on Monday-Friday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Randy P Gulakowski can be reached on 571-272-1302. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Alexander Markoff Primary Examiner Art Unit 1746